

Name: _____

p1105: Factoring when $a = \text{prime}$ (v48)

1. Factor the expression $7x^2 + 60x - 27$

$$(7x - 3)(x + 9)$$

2. Factor the expression $7x^2 - 44x - 35$

$$(7x + 5)(x - 7)$$

3. Factor the expression $5x^2 + 31x + 6$

$$(5x + 1)(x + 6)$$

4. Factor the expression $11x^2 + 91x - 72$

$$(11x - 8)(x + 9)$$

5. Factor the expression $11x^2 - 40x + 21$

$$(11x - 7)(x - 3)$$

6. Factor the expression $5x^2 - 41x + 42$

$$(5x - 6)(x - 7)$$

7. Factor the expression $11x^2 + 53x + 36$

$$(11x + 9)(x + 4)$$

8. Factor the expression $11x^2 - 82x + 35$

$$(11x - 5)(x - 7)$$

9. Factor the expression $5x^2 - 23x - 42$

$$(5x + 7)(x - 6)$$

10. Factor the expression $11x^2 - 46x + 8$

$$(11x - 2)(x - 4)$$